I. *A Query put by Dr.* N. Grew, *concerning the Food of the* Humming Bird; *occaſioned by the Deſcription of it in the Tranſactions.* Numb. 200.

SIR,

SInce I ſhewed you the Deſcription of the *Humming Bird*, with the Letter in which it came to me: I learn, that Mr. *Hamerſly* of *Coventry* is the Author of it. You ſee it is believed he feeds on ſome Juice he ſucks off, or out of Flowers. It was believed for a long while, that the Bird of Paradice had no Legs. Whether may not this Bird rather feed on ſmall Inſects, whereon many Birds feed, ſome whereof lie in the bottom of moſt Flowers, and for which, this Bird hath a Bill? Whereas a Bee that ſucks hath a Siphon or hollow Probe. In ſhort, the Bird ſhould be open'd: And ſo it will appear, either that he hath Entrails fitted only for Liquids; or the ſame ſort of Stomachs and Guts as other Birds, containing the ſame ſort of ſolid Food.

II. *Some Obſervations made by Mr.* Paſchall, *on the Motions of* Diſeaſes, *and on the* Births *and* Deaths *of* Men, *and other* Animals *in different times of the* Νυχθήμερον.

SOme Months ſince I fell into a Suſpicion, that the Cauſes of *Tides* at Sea do alſo continually exert their Power in other places, though the Effects thereof may

The Royal Society is collaborating with JSTOR to digitize, preserve, and extend access to *Philosophical Transactions (1683-1775)*. www.jstor.org

may not be ſo ſenſibly perceived on the ſolid as the fluid parts of this *Terraqueous* Globe. That I might in the beſt way I could think of, make ſome tryal towards a diſcovery of the Truth herein, I took this Method. Firſt, I divided the Νυχθήμερον into four Senaries of Hours: The firſt conſiſted of three Hours before the *Southing* of the *Moon*, and three after the ſecond of the ſix hours following, and ſo the third and fourth contained the two remaining Quarters of the Natural day. I next betook my ſelf to obſerve Births and Deaths, in our own kind, as alſo in other Species of *Animals*, whether they fell out indifferently in any of theſe four Senaries: And I found none that were born or died a natural Death in the firſt and third Senaries, which I take liberty to call firſt and ſecond Tides, but every one either in the ſecond or fourth Senaries, which I call firſt and ſecond Ebbs. I then proceeded to make Obſervations in the Motions of Diſeaſes, which I could the better do, becauſe I had ſome in my Family viſited with Agues. Here I found that the tumult of the Fits generally laſted all the Tiding time, and then went off in gentle kindly Sweats in the Ebbs. I went on then to take notice of the *Sex res non naturales*, and alterations of the Weather, and ſuch Accounts as I could meet with of *Earthquakes* and ſundry other things: And I have yet met nothing to hinder me from laying down this as a Maxim, That Motion, Vigour, Action, Strength, &c. appear moſt and do beſt in the *Tiding Senaries*; and that Reſt, Relaxation, Decay, Diſſolution belong to the *Ebbing Senaries*.